

Yukio-Pegio Gunji

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

938
citations

535685

17
h-index

511568

30
g-index

46
all docs

46
docs citations

46
times ranked

447
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Disproof of a Manga Character Construction Model. <i>Symmetry</i> , 2021, 13, 838.	1.1	0
2	Logic Gates Formed by Perturbations in an Asynchronous Game of Life. <i>Symmetry</i> , 2021, 13, 907.	1.1	0
3	Amoebic Foraging Model of Metastatic Cancer Cells. <i>Symmetry</i> , 2021, 13, 1140.	1.1	1
4	LÃ©vy Walk in Swarm Models Based on Bayesian and Inverse Bayesian Inference. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 247-260.	1.9	11
5	Computational Power of Asynchronously Tuned Automata Enhancing the Unfolded Edge of Chaos. <i>Entropy</i> , 2021, 23, 1376.	1.1	3
6	Dancing Chief in the Brain or Consciousness as an Entanglement. <i>Foundations of Science</i> , 2020, 25, 151-184.	0.4	5
7	Breaking of the Trade-Off Principle between Computational Universality and Efficiency by Asynchronous Updating. <i>Entropy</i> , 2020, 22, 1049.	1.1	5
8	Three types of logical structure resulting from the trilemma of free will, determinism and locality. <i>BioSystems</i> , 2020, 195, 104151.	0.9	7
9	Ordinal Preferential Attachment: A Self-Organizing Principle Generating Dense Scale-Free Networks. <i>Scientific Reports</i> , 2019, 9, 4130.	1.6	2
10	Modeling of decision-making process for moving straight using inverse Bayesian inference. <i>BioSystems</i> , 2018, 163, 70-81.	0.9	7
11	Slime mould: The fundamental mechanisms of biological cognition. <i>BioSystems</i> , 2018, 165, 57-70.	0.9	67
12	Inverse Bayesian inference in swarming behaviour of soldier crabs. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170370.	1.6	21
13	Embryogenic remodeling of global chromatin and its role on structure of corresponding lattice representation. <i>BioSystems</i> , 2018, 173, 273-280.	0.9	0
14	Modeling of Decision Process Featuring Inverse Bayesian Inference. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2018, 54, 31-38.	0.1	0
15	Inverse Bayesian inference as a key of consciousness featuring a macroscopic quantum logical structure. <i>BioSystems</i> , 2017, 152, 44-65.	0.9	38
16	Emergence of a coherent and cohesive swarm based on mutual anticipation. <i>Scientific Reports</i> , 2017, 7, 46447.	1.6	24
17	Free will in Bayesian and inverse Bayesian inference-driven endo-consciousness. <i>Progress in Biophysics and Molecular Biology</i> , 2017, 131, 312-324.	1.4	18
18	Uncertain Density Balance Triggers Scale-Free Evolution in Game of Life. <i>Complex Systems</i> , 2017, 26, 31-38.	0.9	1

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19	Quantum cognition based on an ambiguous representation derived from a rough set approximation. <i>BioSystems</i> , 2016, 141, 55-66.	0.9	37
20	Inherent noise appears as a Lévy walk in fish schools. <i>Scientific Reports</i> , 2015, 5, 10605.	1.6	35
21	My hand is not my own! Experimental elicitation of body disownership. <i>Psychology and Neuroscience</i> , 2015, 8, 425-434.	0.5	4
22	Emergent Runaway into an Avoidance Area in a Swarm of Soldier Crabs. <i>PLoS ONE</i> , 2014, 9, e97870.	1.1	30
23	Kanizsa illusory contours appearing in the plasmodium pattern of <i>Physarum polycephalum</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 10.	1.8	14
24	Punctuated equilibrium based on a locally ambiguous niche. <i>BioSystems</i> , 2014, 123, 99-105.	0.9	6
25	Self-Organized Criticality in Asynchronously Tuned Elementary Cellular Automata. <i>Complex Systems</i> , 2014, 23, 55-70.	0.9	8
26	The Müller-Lyer Illusion in Ant Foraging. <i>PLoS ONE</i> , 2013, 8, e81714.	1.1	18
27	A Model of Scale-Free Proportion Based on Mutual Anticipation. <i>International Journal of Artificial Life Research</i> , 2012, 3, 34-44.	0.1	6
28	Robust Swarm Model Based on Mutual Anticipation. <i>International Journal of Artificial Life Research</i> , 2012, 3, 45-58.	0.1	8
29	2E1500 Diminish the field size-dependence with topological flocking model on document clustering(Non-equilibrium state & Biological rhythm, The 48th Annual Meeting of the Biophysical Society, October 10-14, 2011, San Francisco, CA) Tj ETQq1 1 0.784314 rgBT /Over	0.0	0
30	An adaptive and robust biological network based on the vacant-particle transportation model. <i>Journal of Theoretical Biology</i> , 2011, 272, 187-200.	0.8	49
31	Evolving Lattices for Analyzing Behavioral Dynamics of Characters in Literary Text. <i>TripleC</i> , 2011, 9, 502-509.	0.6	1
32	Analyzing Double Image Illusion through Double Indiscernibility and Lattice Theory. <i>TripleC</i> , 2011, 9, 510-519.	0.6	1
33	3P314 Pressure-based cell motility of <i>Physarum plasmodium</i> (Mathematical biology, The 48th Annual Meeting of the Biophysical Society, October 10-14, 2011, San Francisco, CA) Tj ETQq1 1 0.784314 rgBT /Over	0.0	0
34	A Non-boolean Lattice Derived by Double Indiscernibility. <i>Lecture Notes in Computer Science</i> , 2010, , 211-225.	1.0	17
35	Minimal model of a cell connecting amoebic motion and adaptive transport networks. <i>Journal of Theoretical Biology</i> , 2008, 253, 659-667.	0.8	65
36	Abstract heterarchy: Time/state-scale re-entrant form. <i>BioSystems</i> , 2008, 91, 13-33.	0.9	15

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37	Return map structure and entrainment in a time-state-scale re-entrant system. Physica D: Nonlinear Phenomena, 2007, 234, 124-130.	1.3	4
38	Robust and emergent Physarum logical-computing. BioSystems, 2004, 73, 45-55.	0.9	180
39	Observational heterarchy enhancing active coupling. Physica D: Nonlinear Phenomena, 2004, 198, 74-105.	1.3	49
40	Dynamical infomorphism: form of endo-perspective. Chaos, Solitons and Fractals, 2004, 22, 1077-1101.	2.5	11
41	Dynamically changing interface as a model of measurement in complex systems. Physica D: Nonlinear Phenomena, 1997, 101, 27-54.	1.3	22
42	Formal model of internal measurement: Alternate changing between recursive definition and domain equation. Physica D: Nonlinear Phenomena, 1997, 110, 289-312.	1.3	40
43	Global logic resulting from disequibration process. BioSystems, 1995, 35, 33-62.	0.9	47
44	Autonomic life as the proof of incompleteness and Lawvere's theorem of fixed point. Applied Mathematics and Computation, 1994, 61, 231-267.	1.4	38
45	Pigment color patterns of molluscs as an autonomous process generated by asynchronous automata. BioSystems, 1990, 23, 317-334.	0.9	20
46	Concept Formation and Quantum-like Probability from Nonlocality in Cognition. Cognitive Computation, 0, , 1.	3.6	3